PRINT OF DRAWINGS
AS ORIGINALLY FILED

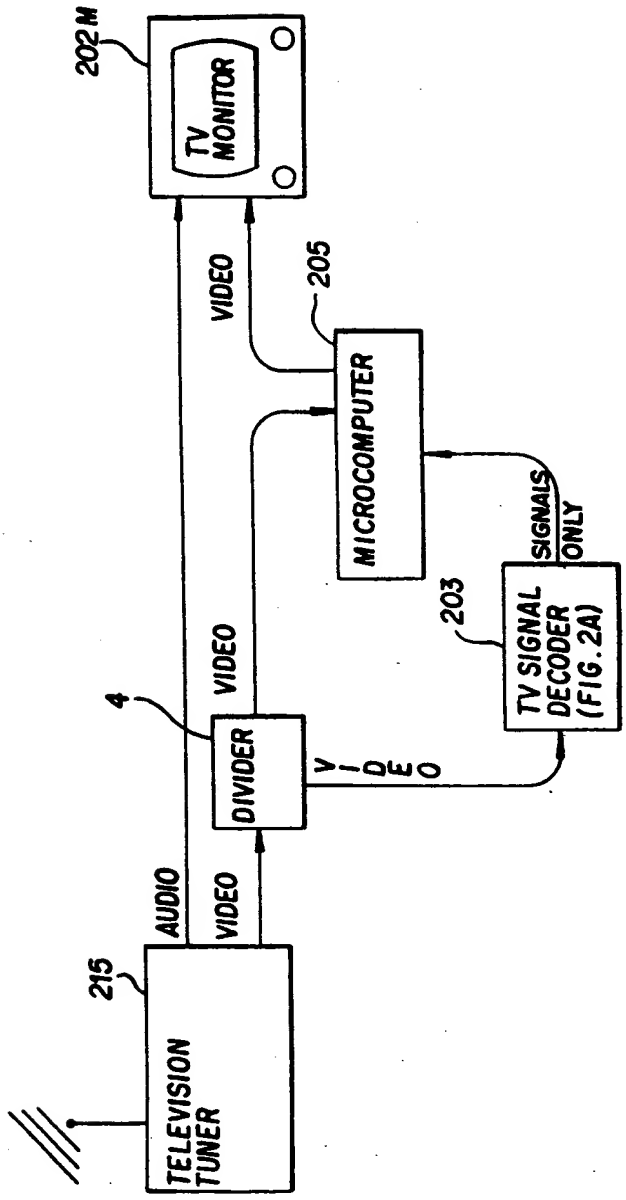


FIG. 1

PRINT OF DRAWINGS
AS ORIGINALLY FILED

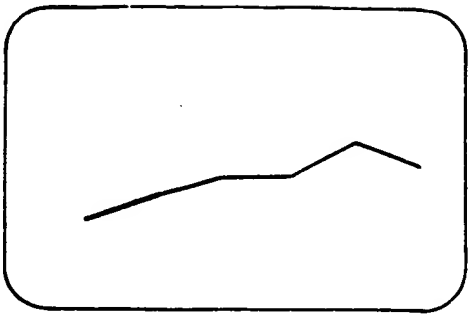


FIG. 1A

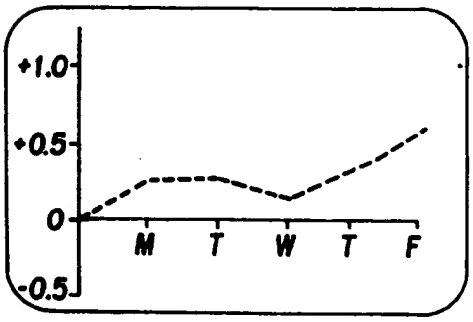


FIG. 1B

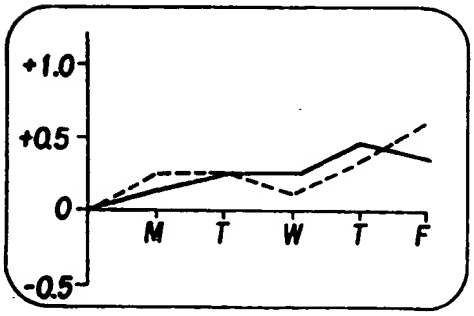


FIG. 1C

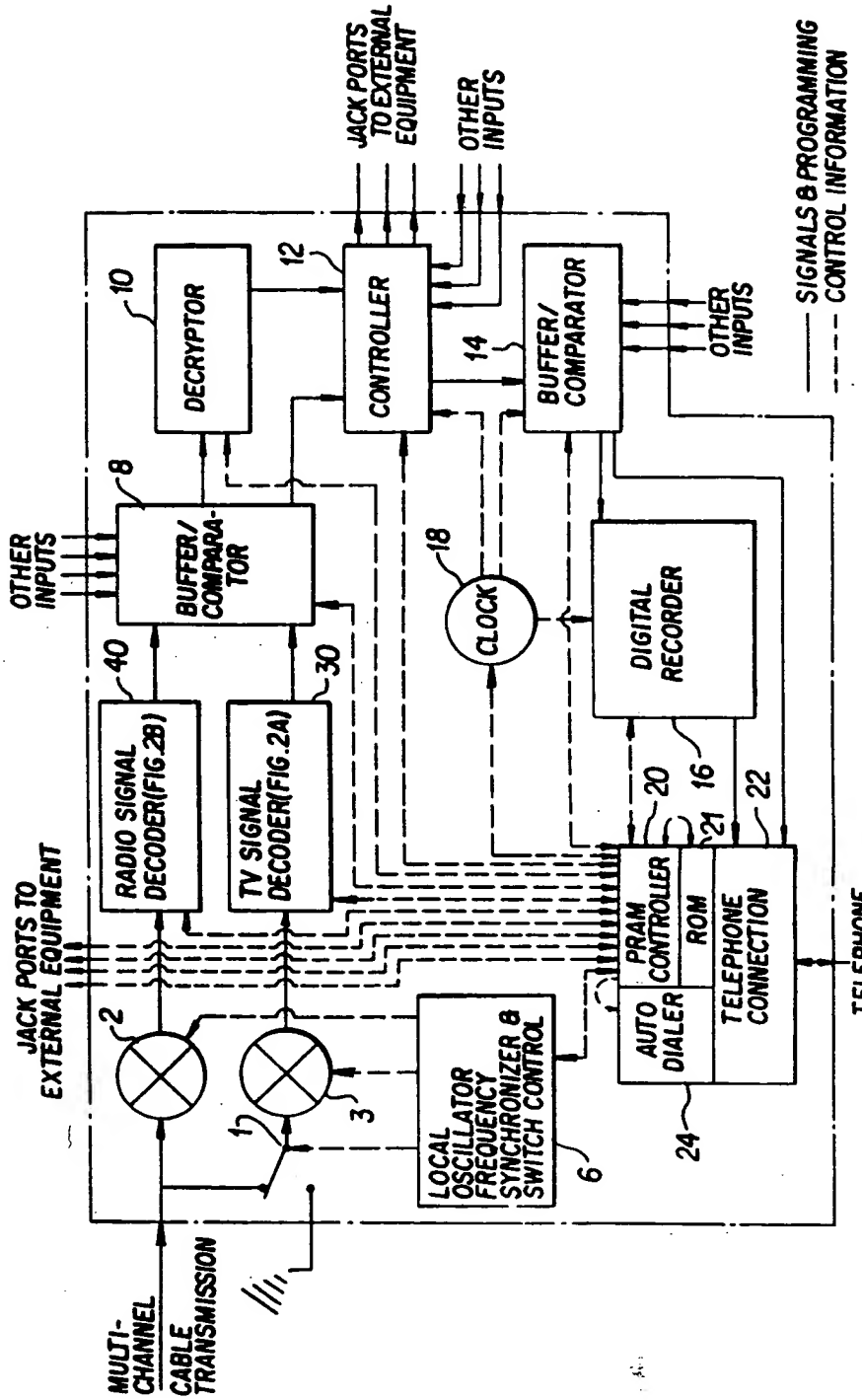

JACK PORTS TO EXTERNAL EQUIPMENT
OTHER INPUTS
SIGNALS & PROGRAMMING CONTROL INFORMATION
DECRYPTOR
CONTROLLER
BUFFER/ COMPARATOR
OTHER INPUTS
BUFFER/ COMPARA-TOR
CLOCK
DIGITAL RECORDER
RADIO SIGNAL DECODER(FIG.2B)
TV SIGNAL DECODER(FIG.2A)
JACK PORTS TO EXTERNAL EQUIPMENT
PRAM CONTROLLER
ROM
AUTO DIALER
TELEPHONE CONNECTION
TELEPHONE OR OTHER DATA TRANSFER NETWORK
LOCAL OSCILLATOR FREQUENCY SYNCHRONIZER & SWITCH CONTROL
MULTI-CHANNEL CABLE TRANSMISSION
10
12
14
8
18
40
30
20
16
21
22
2
3
1
6
24

FIG. 2

PRINT OF DRAWINGS
AS ORIGINAL FILED

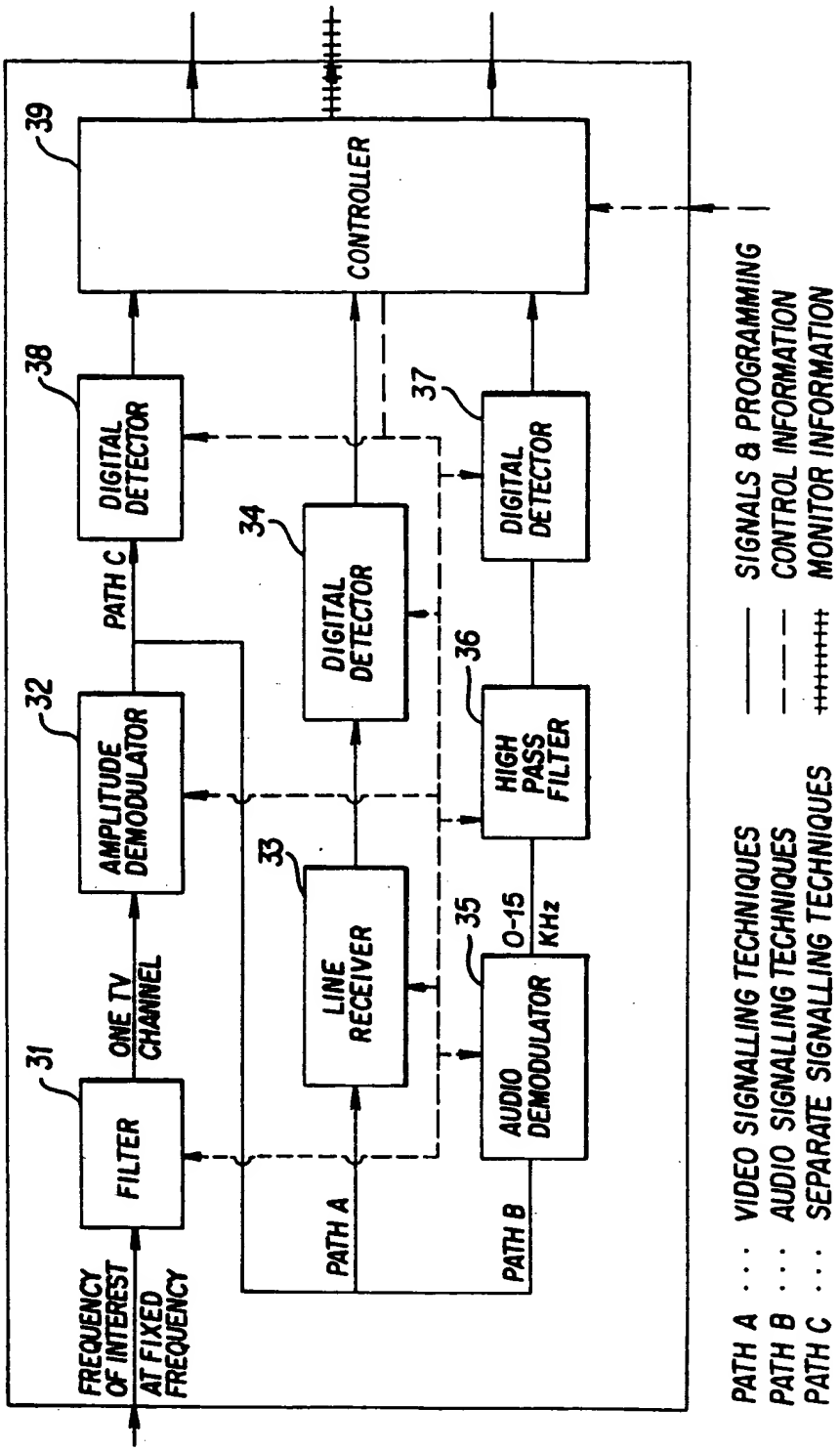


FIG. 2A

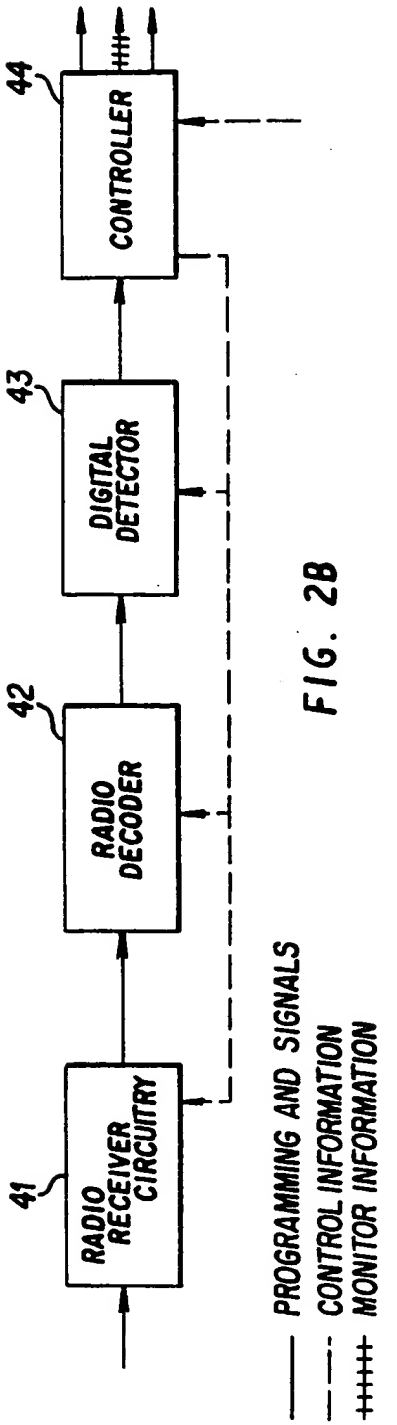

41
RADIO RECEIVER CIRCUITRY
42
RADIO DECODER
43
DIGITAL DETECTOR
44
CONTROLLER
PROGRAMMING AND SIGNALS
CONTROL INFORMATION
MONITOR INFORMATION

FIG. 2B

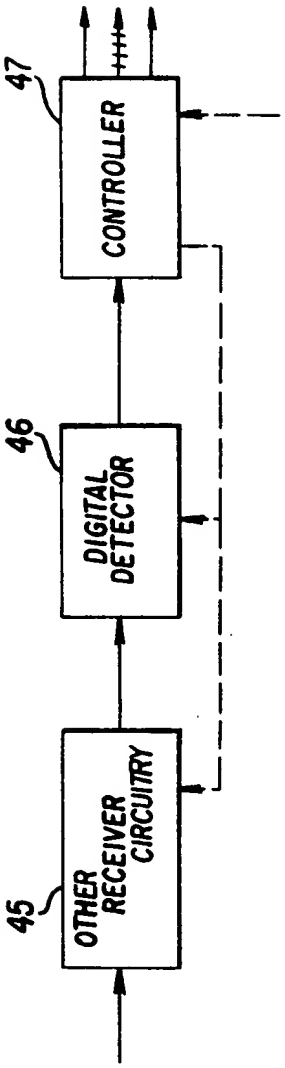

45
OTHER RECEIVER CIRCUITRY
46
DIGITAL DETECTOR
47
CONTROLLER

FIG. 2C

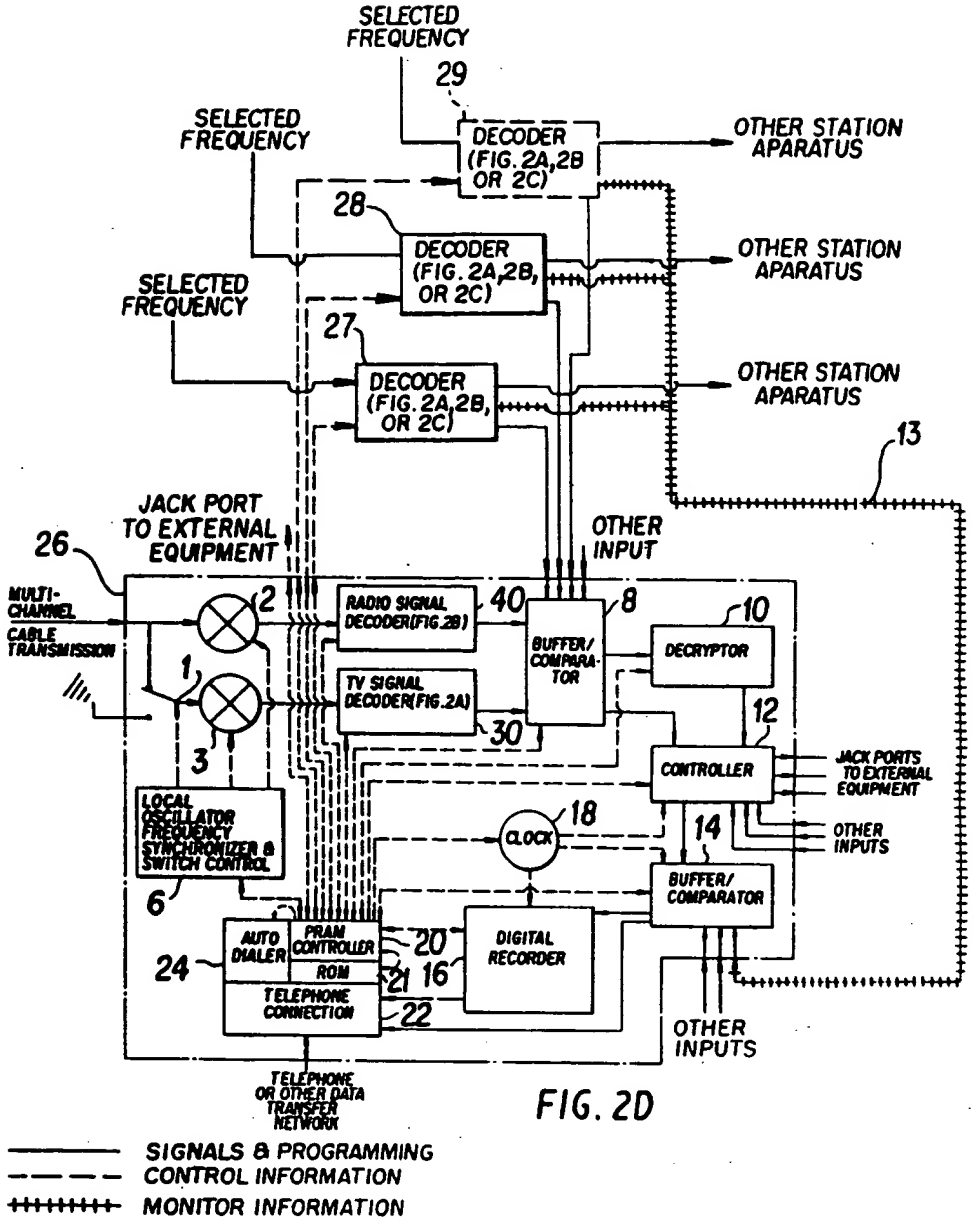

SELECTED FREQUENCY
29
DECODER (FIG. 2A,2B OR 2C)
OTHER STATION APARATUS
SELECTED FREQUENCY
28
DECODER (FIG. 2A,2B, OR 2C)
OTHER STATION APARATUS
SELECTED FREQUENCY
27
DECODER (FIG. 2A,2B, OR 2C)
OTHER STATION APARATUS
13
JACK PORT TO EXTERNAL EQUIPMENT
26
OTHER INPUT
MULTI-CHANNEL CABLE TRANSMISSION
2
1
3
RADIO SIGNAL DECODER(FIG.2B)
40
TV SIGNAL DECODER(FIG.2A)
30
BUFFER/ COMPARA-TOR
8
DECRYPTOR
10
12
CONTROLLER
JACK PORTS TO EXTERNAL EQUIPMENT
OTHER INPUTS
LOCAL OSCILLATOR FREQUENCY SYNCHRONIZER & SWITCH CONTROL
6
CLOCK
18
14
BUFFER/ COMPARATOR
AUTO DIALER
PRAM CONTROLLER
ROM
TELEPHONE CONNECTION
24
20
21
22
DIGITAL RECORDER
16
OTHER INPUTS
TELEPHONE OR OTHER DATA TRANSFER NETWORK
SIGNALS & PROGRAMMING
CONTROL INFORMATION
MONITOR INFORMATION

FIG. 2D

PRINT OF DRAWINGS
AS ORIGINALLY FILED

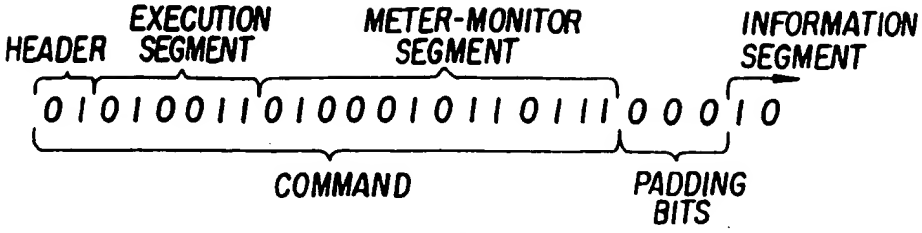


FIG. 2E

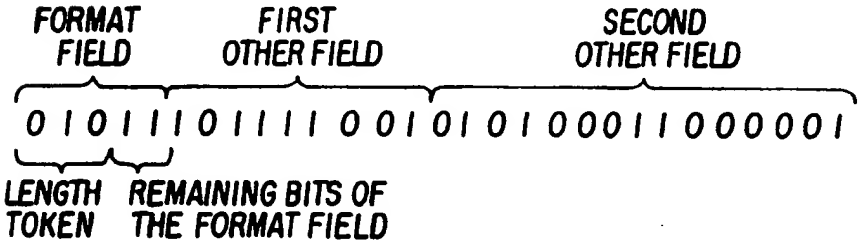


FIG. 2F

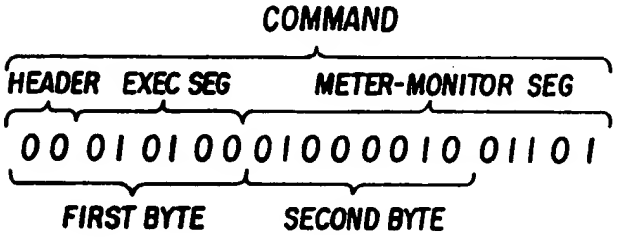


FIG. 2G

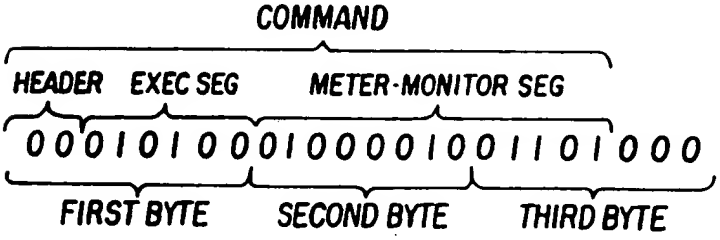


FIG. 2H

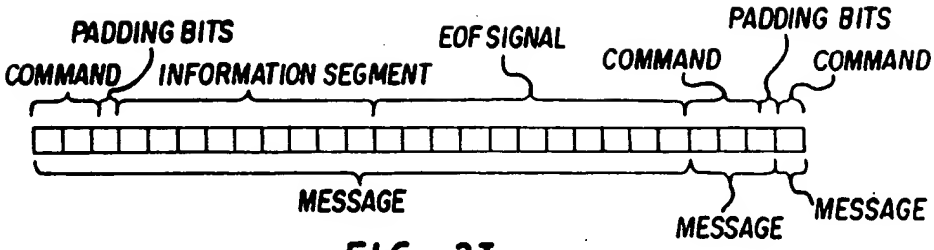


FIG. 2I

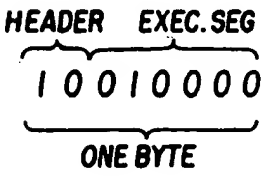


FIG. 2J

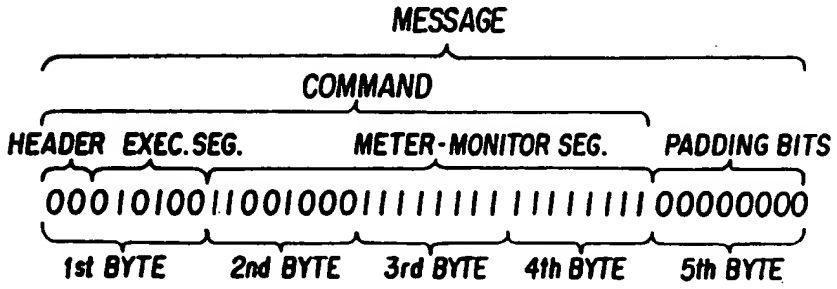


FIG. 2K

PRINT OF DRAWINGS
AS ORIGINALLY FILED

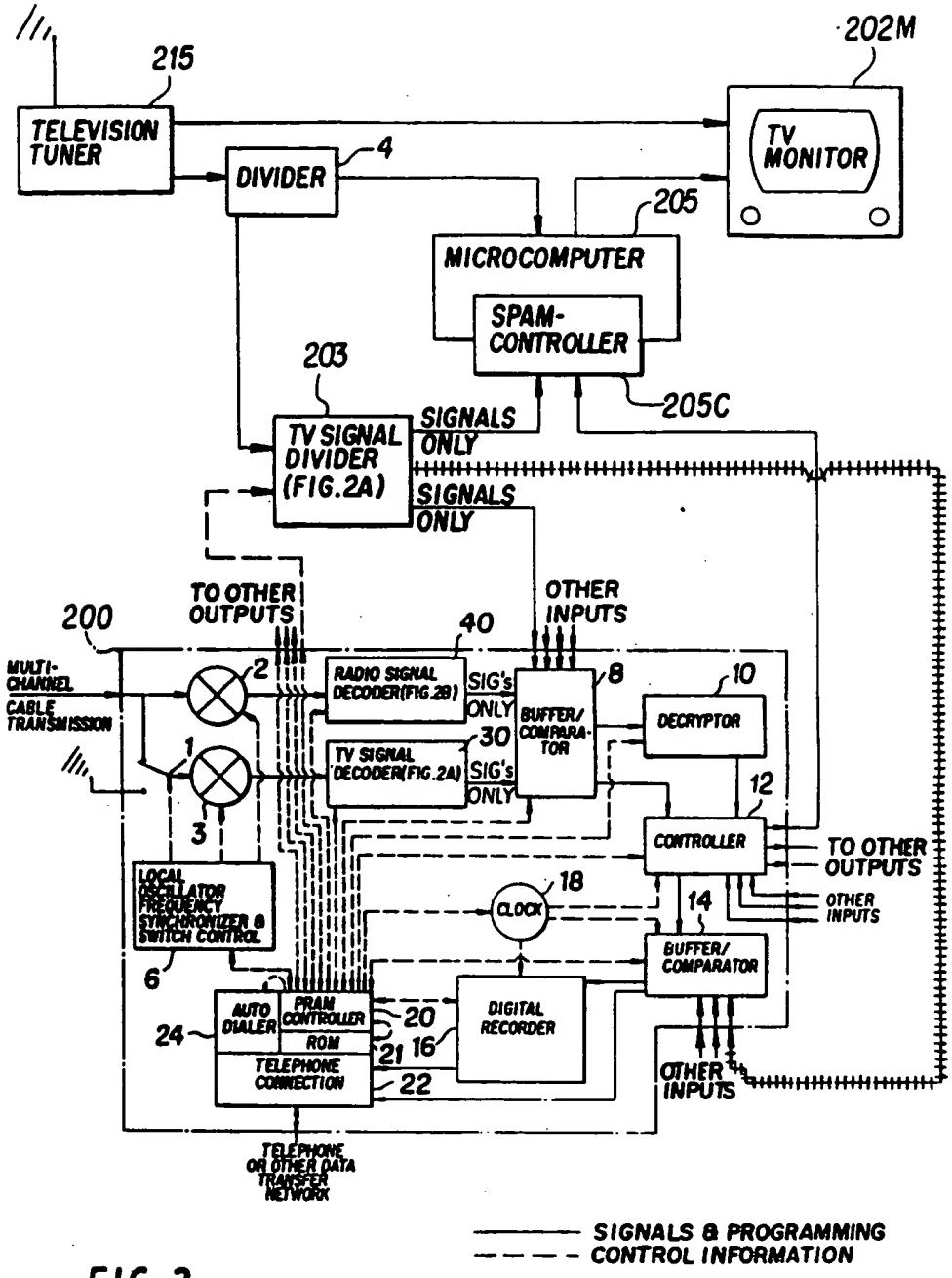


FIG. 3

PRINT OF DRAWINGS
AS ORIGINAL FILED

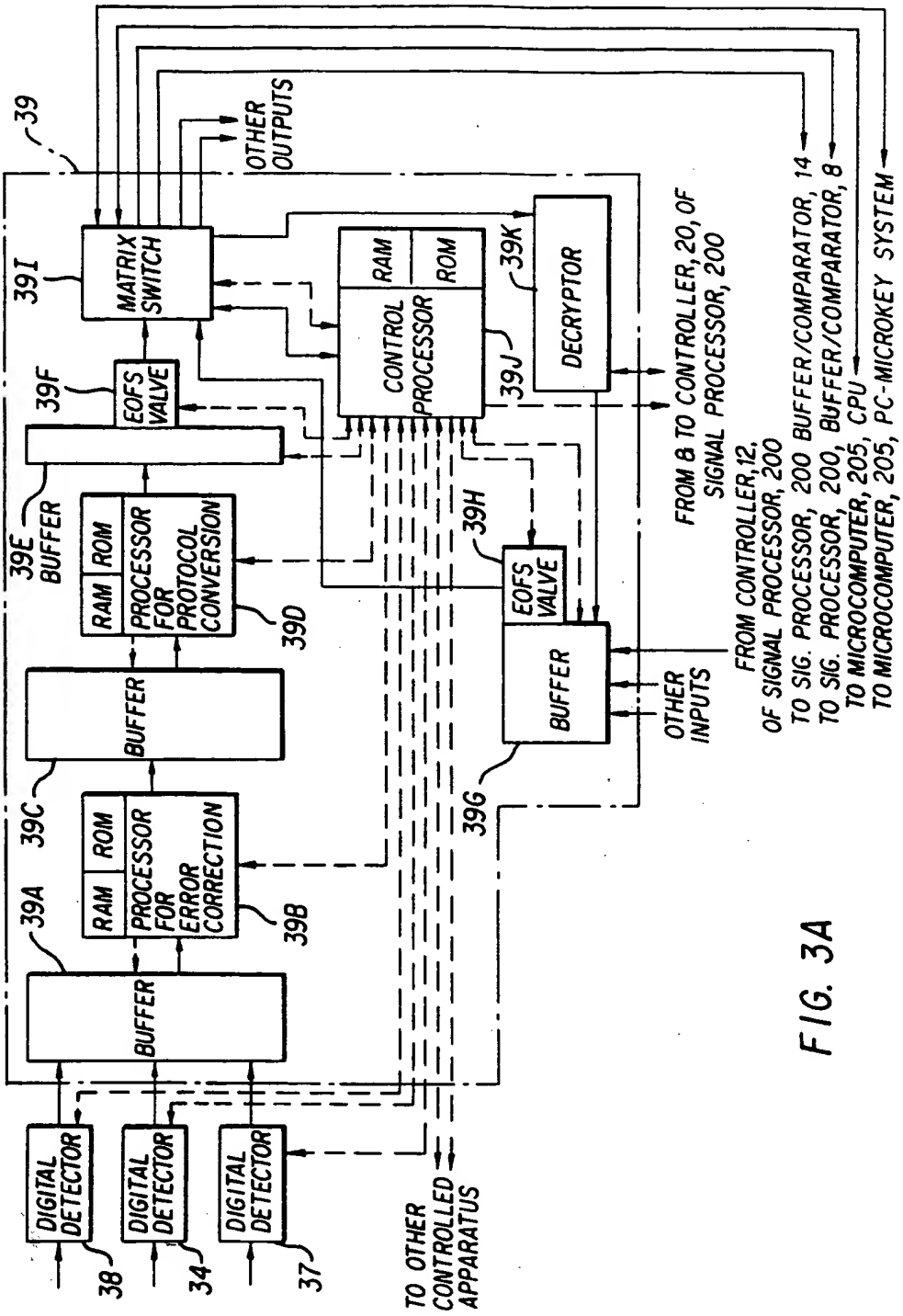
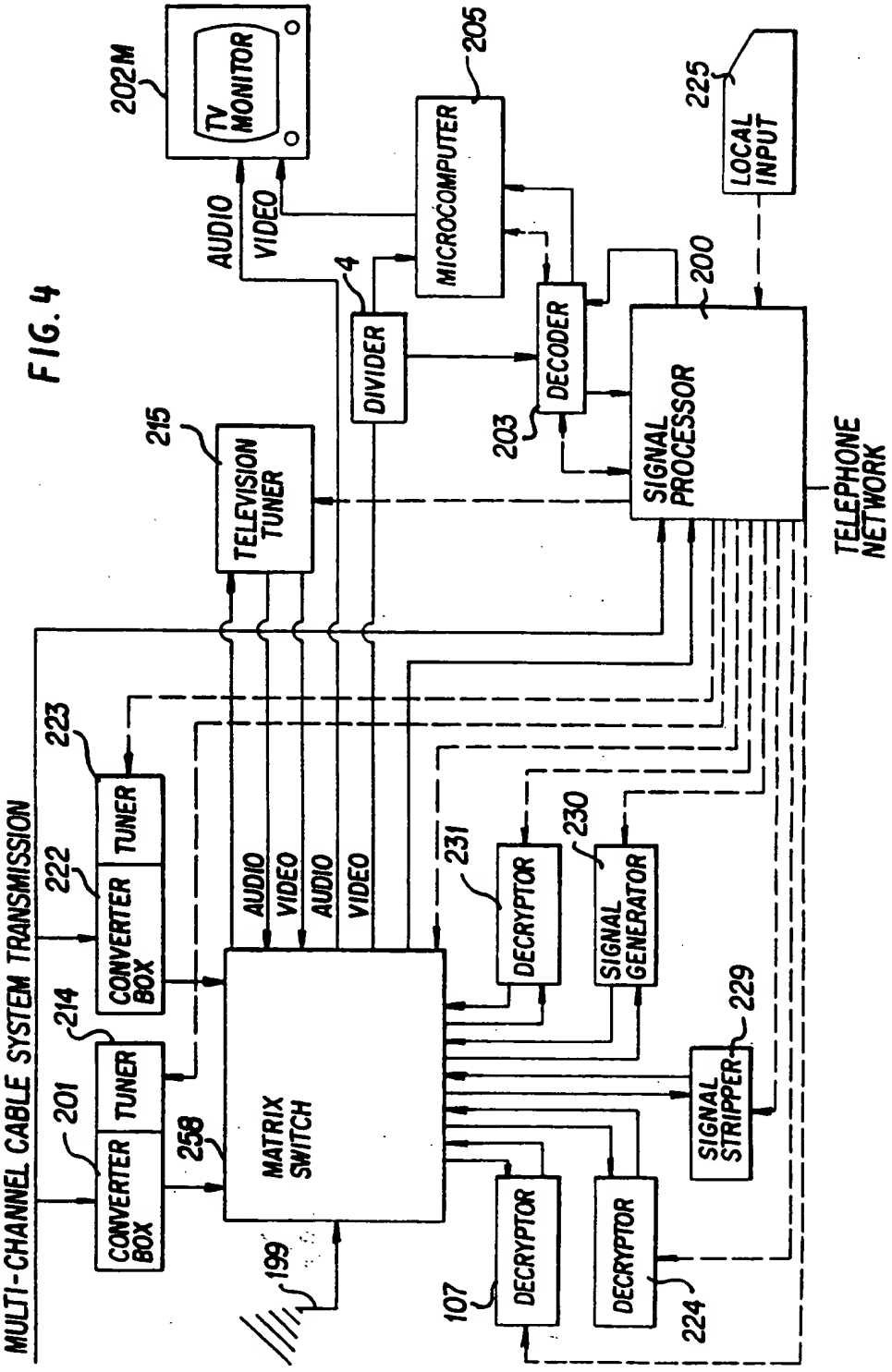


FIG. 3A

PRINT OF DRAWINGS
AS ORIGINAL FILED

FIG. 4



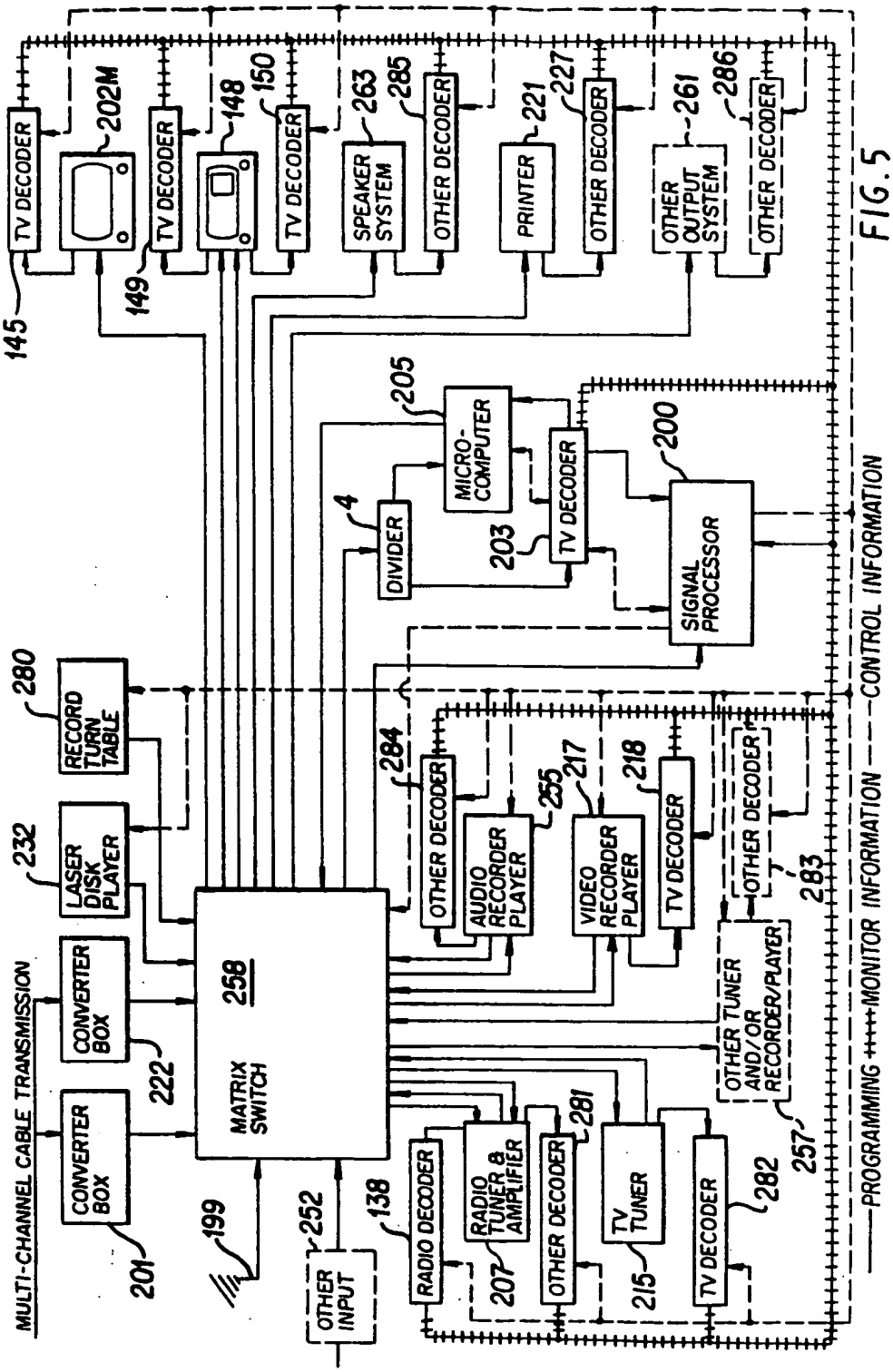

TV DECODER
202M
TV DECODER
148
150
TV DECODER
SPEAKER SYSTEM
263
285
OTHER DECODER
PRINTER
221
227
OTHER DECODER
OTHER OUTPUT SYSTEM
261
286
OTHER DECODER
145
149
205
MICRO-COMPUTER
4
DIVIDER
203
TV DECODER
200
SIGNAL PROCESSOR
280
RECORD TURN TABLE
232
LASER DISK PLAYER
284
OTHER DECODER
AUDIO RECORDER PLAYER
255
217
VIDEO RECORDER PLAYER
218
TV DECODER
OTHER DECODER
283
OTHER TUNER AND/OR RECORDER/PLAYER
257
MULTI-CHANNEL CABLE TRANSMISSION
CONVERTER BOX
CONVERTER BOX
222
MATRIX SWITCH
258
201
199
252
OTHER INPUT
138
RADIO DECODER
RADIO TUNER & AMPLIFIER
207
OTHER DECODER
281
TV TUNER
215
TV DECODER
282
PROGRAMMING ++++MONITOR INFORMATION ----CONTROL INFORMATION

FIG. 5

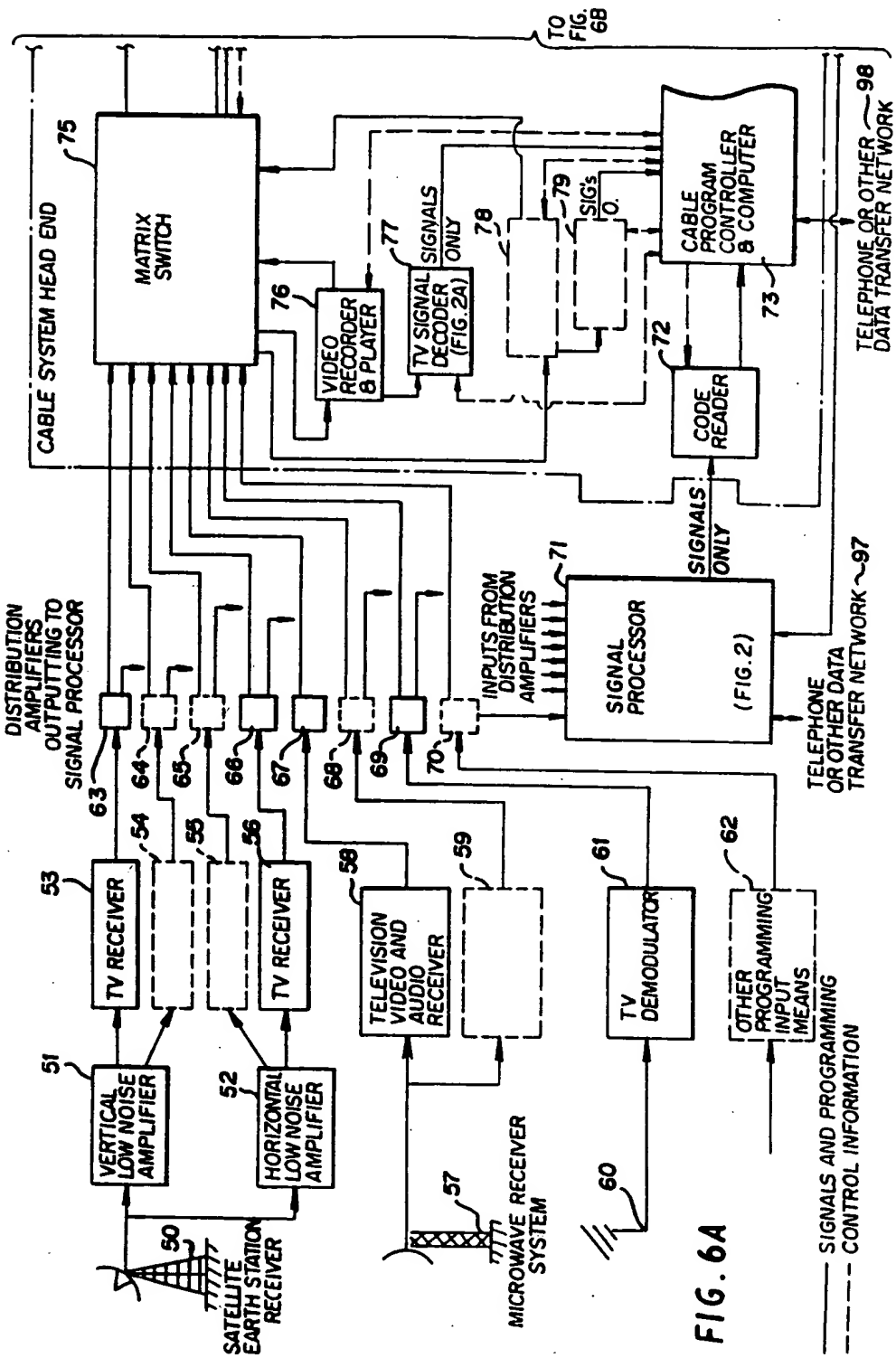

TO FIG. 6B
CABLE SYSTEM HEAD END
MATRIX SWITCH
75
VIDEO RECORDER & PLAYER
76
TV SIGNAL DECODER (FIG. 2A)
77
SIGNALS ONLY
78
79
SIG's I.O.
CABLE PROGRAM CONTROLLER & COMPUTER
73
72
CODE READER
TELEPHONE OR OTHER DATA TRANSFER NETWORK
98
SIGNALS ONLY
71
SIGNAL PROCESSOR (FIG. 2)
TELEPHONE OR OTHER DATA TRANSFER NETWORK
97
INPUTS FROM DISTRIBUTION AMPLIFIERS
DISTRIBUTION AMPLIFIERS OUTPUTTING TO SIGNAL PROCESSOR
63
64
65
66
67
68
69
70
53
54
55
56
TV RECEIVER
TV RECEIVER
58
TELEVISION VIDEO AND AUDIO RECEIVER
59
61
TV DEMODULATOR
62
OTHER PROGRAMMING INPUT MEANS
51
VERTICAL LOW NOISE AMPLIFIER
52
HORIZONTAL LOW NOISE AMPLIFIER
50
SATELLITE EARTH STATION RECEIVER
57
MICROWAVE RECEIVER SYSTEM
60
SIGNALS AND PROGRAMMING
CONTROL INFORMATION

FIG. 6A

PRINT OF DRAWINGS
AS ORIGINALLY FILED

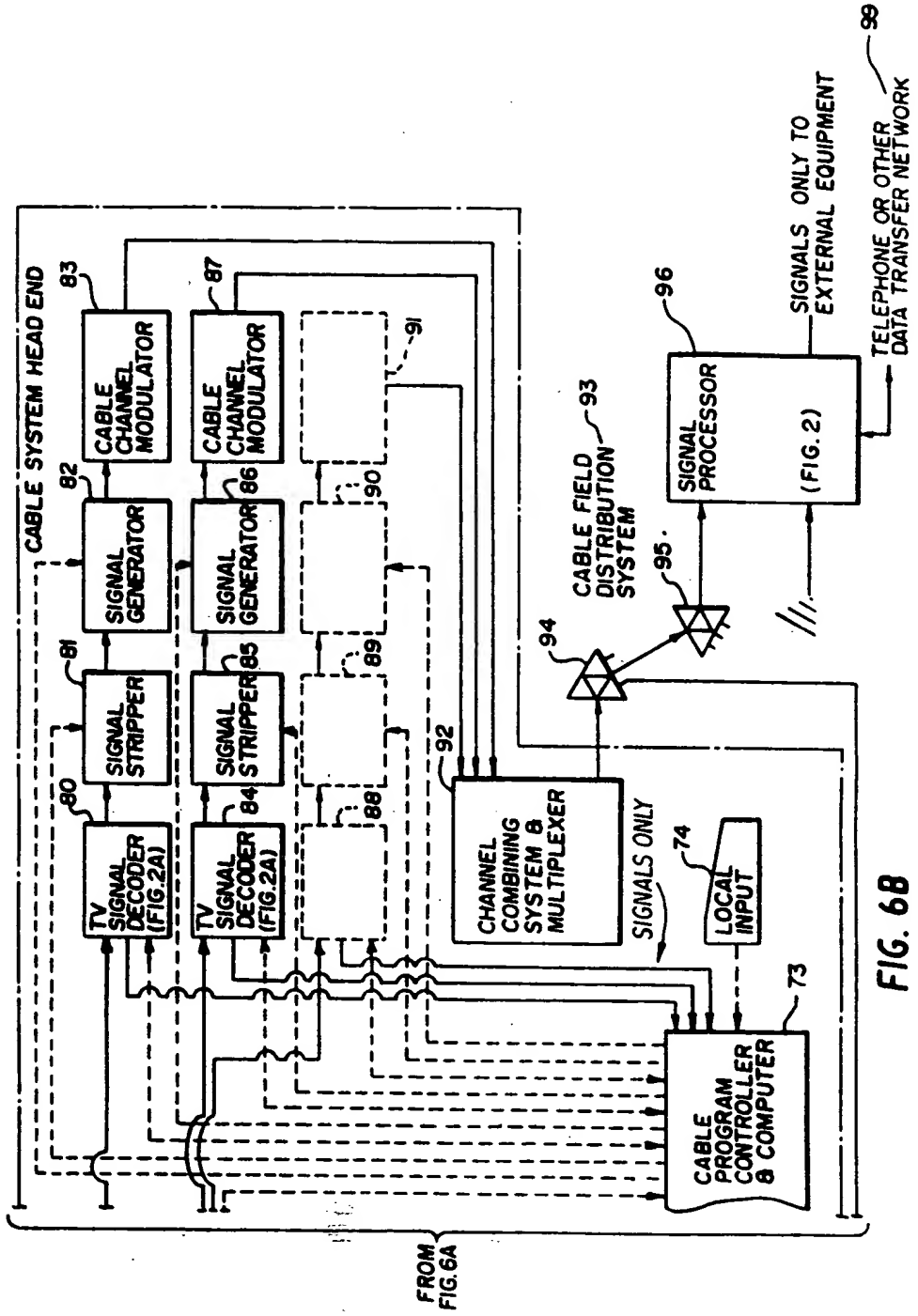


FIG. 6B

PRINT OF DRAWINGS
AS ORIGINALLY FILED

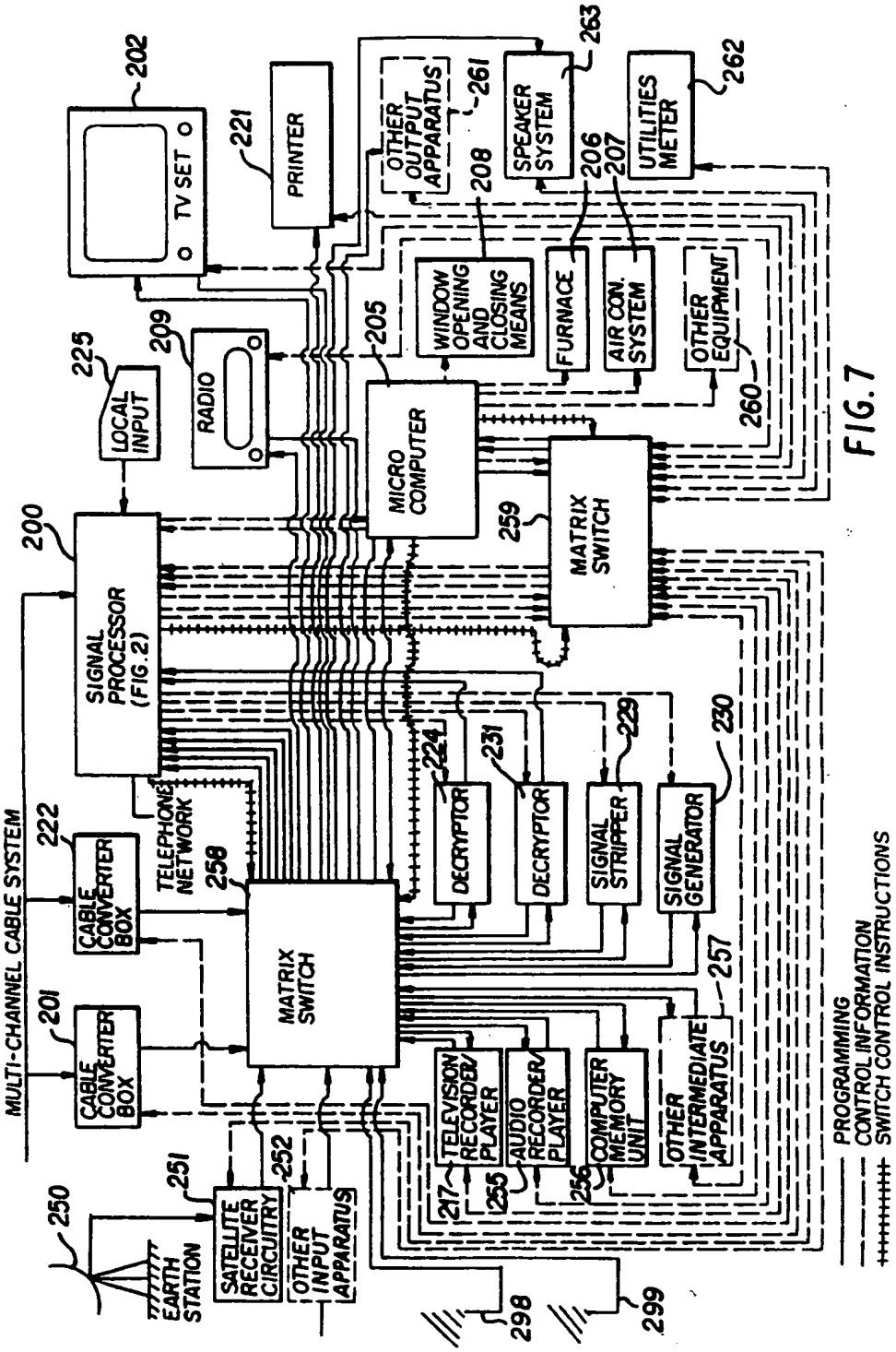


FIG. 7

PRINT OF DRAWINGS
AS ORIGINALLY FILED

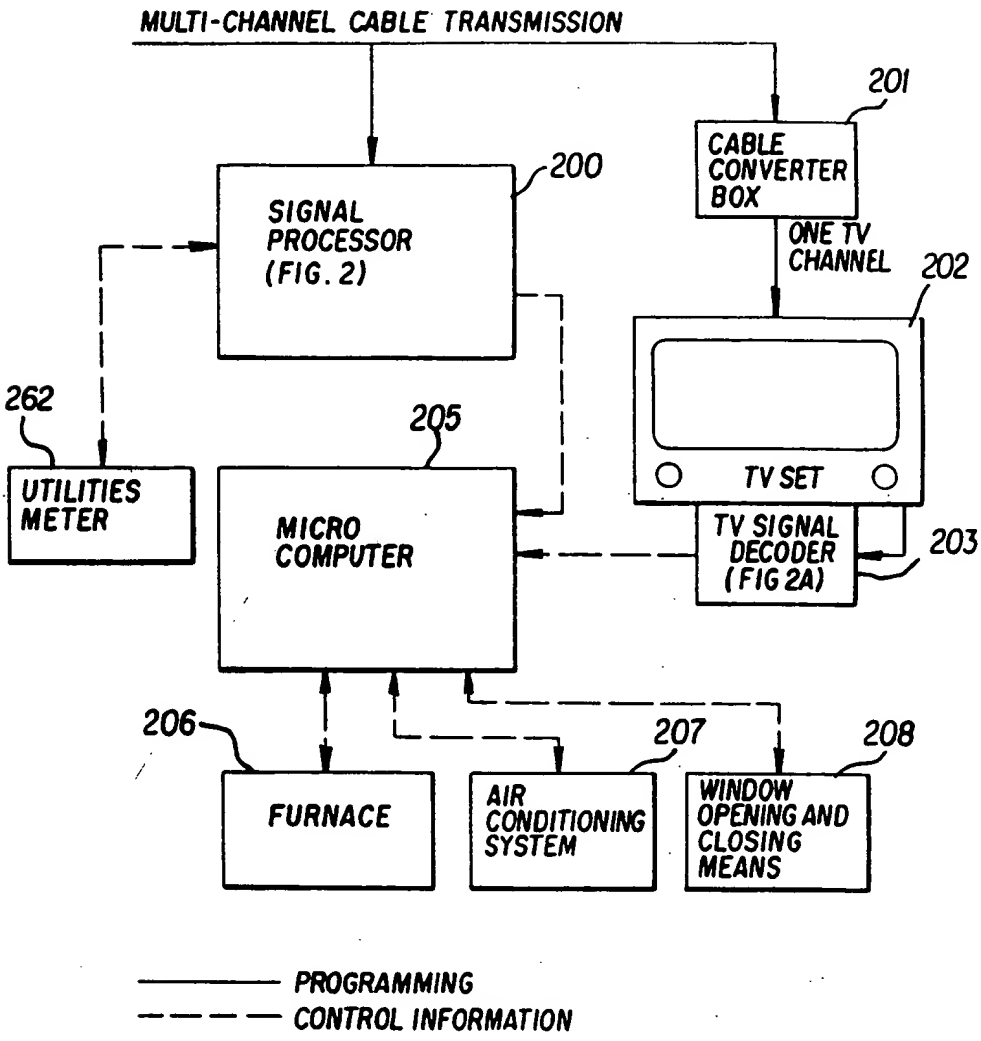


FIG. 7A

PRINT OF DRAWINGS
AS ORIGINALLY FILED

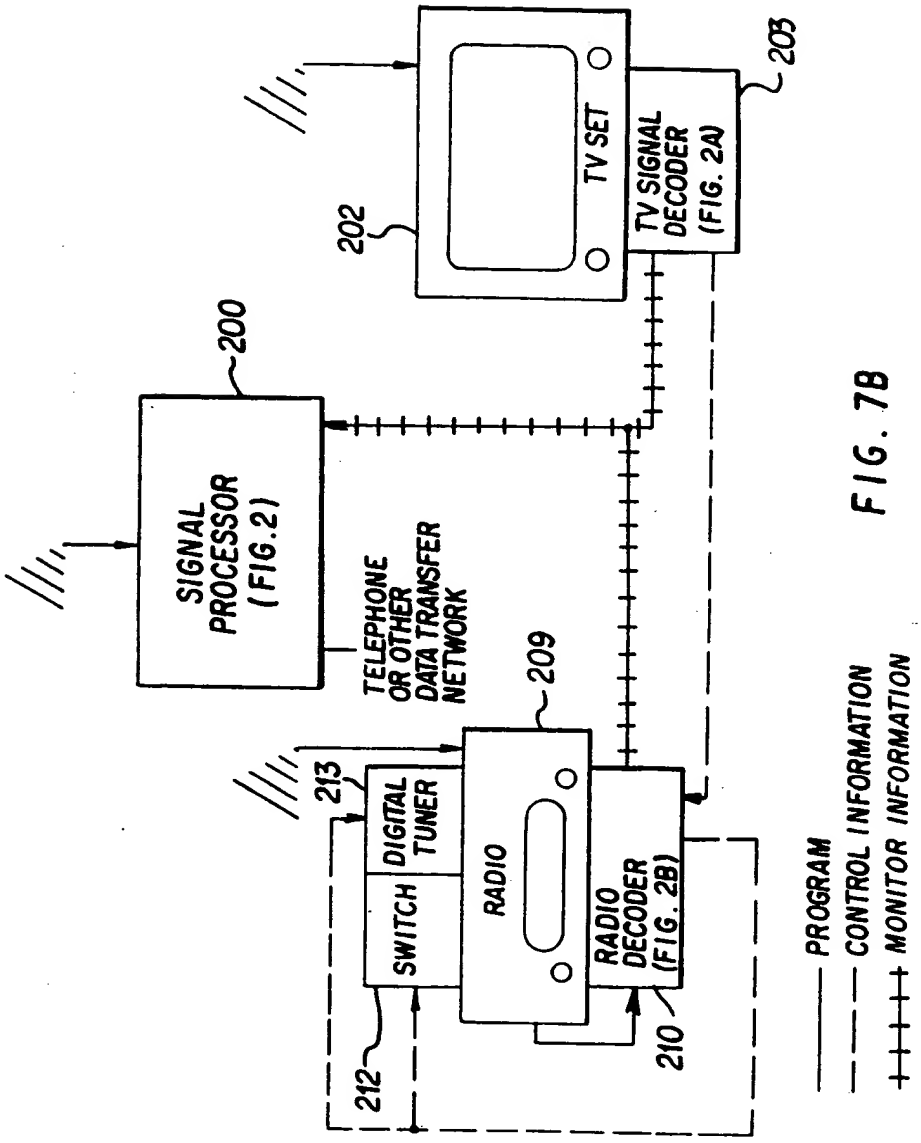


FIG. 7B

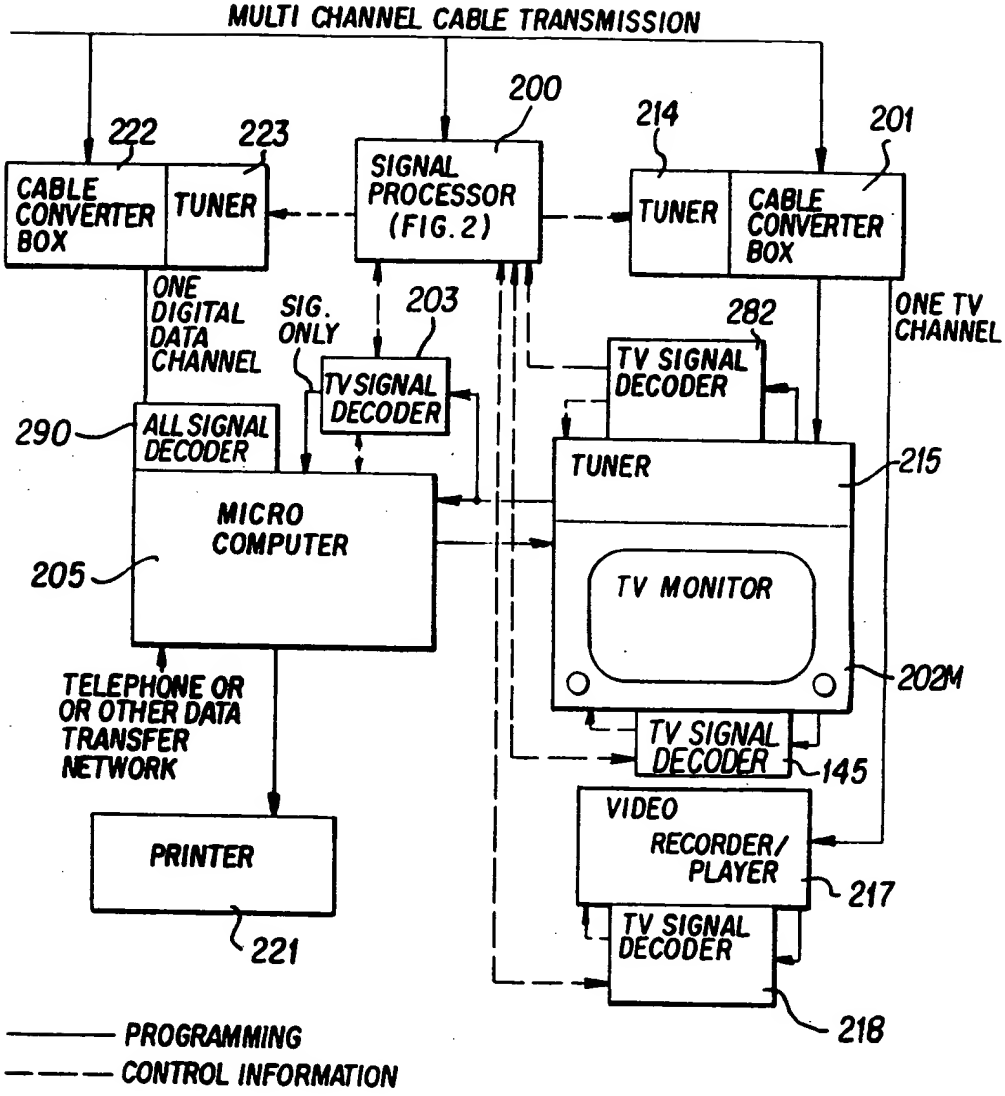

MULTI CHANNEL CABLE TRANSMISSION
200
214
201
222
223
SIGNAL PROCESSOR (FIG. 2)
CABLE CONVERTER BOX
TUNER
TUNER
CABLE CONVERTER BOX
ONE DIGITAL DATA CHANNEL
SIG. ONLY
203
282
ONE TV CHANNEL
TV SIGNAL DECODER
TV SIGNAL DECODER
290
ALL SIGNAL DECODER
TUNER
215
MICRO COMPUTER
205
TV MONITOR
202M
TELEPHONE OR OR OTHER DATA TRANSFER NETWORK
TV SIGNAL DECODER
145
VIDEO RECORDER/ PLAYER
217
PRINTER
221
TV SIGNAL DECODER
218
PROGRAMMING
CONTROL INFORMATION

FIG. 7C

PRINT OF DRAWINGS
AS ORIGINALLY FILED

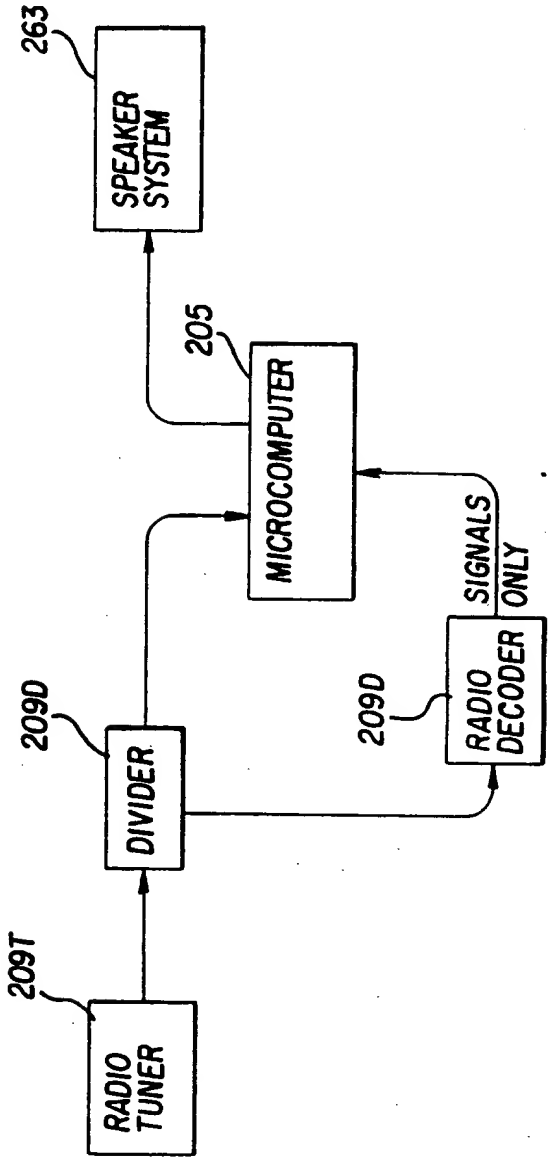


FIG. 7D

PRINT OF DRAWINGS
AS ORIGINALLY FILED

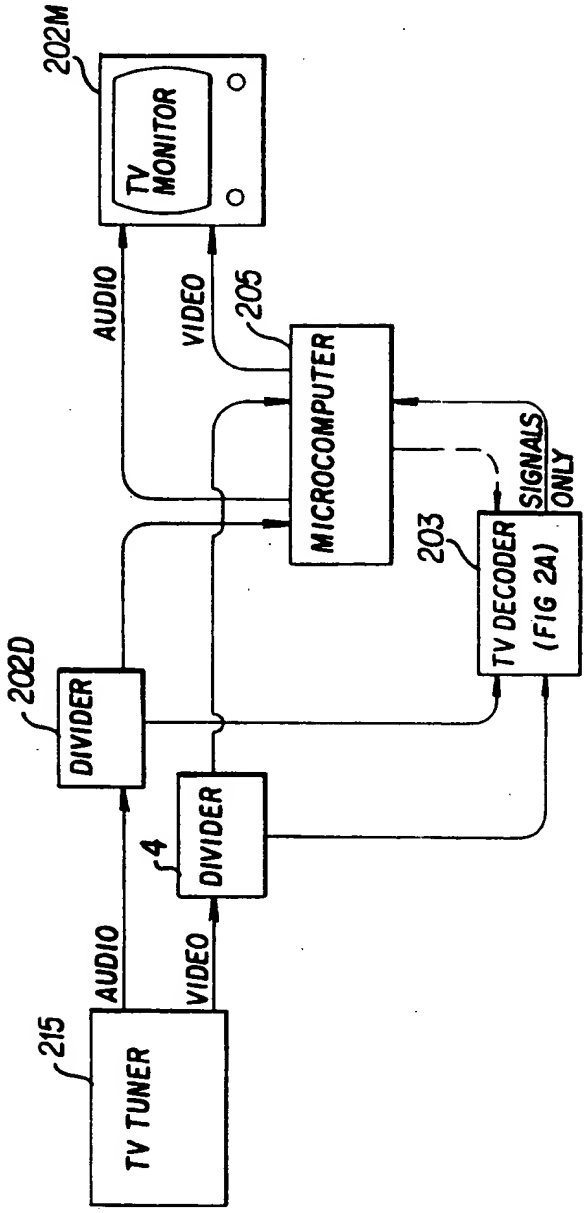


FIG. 7E

PRINT OF DRAWINGS
AS ORIGINALLY FILED

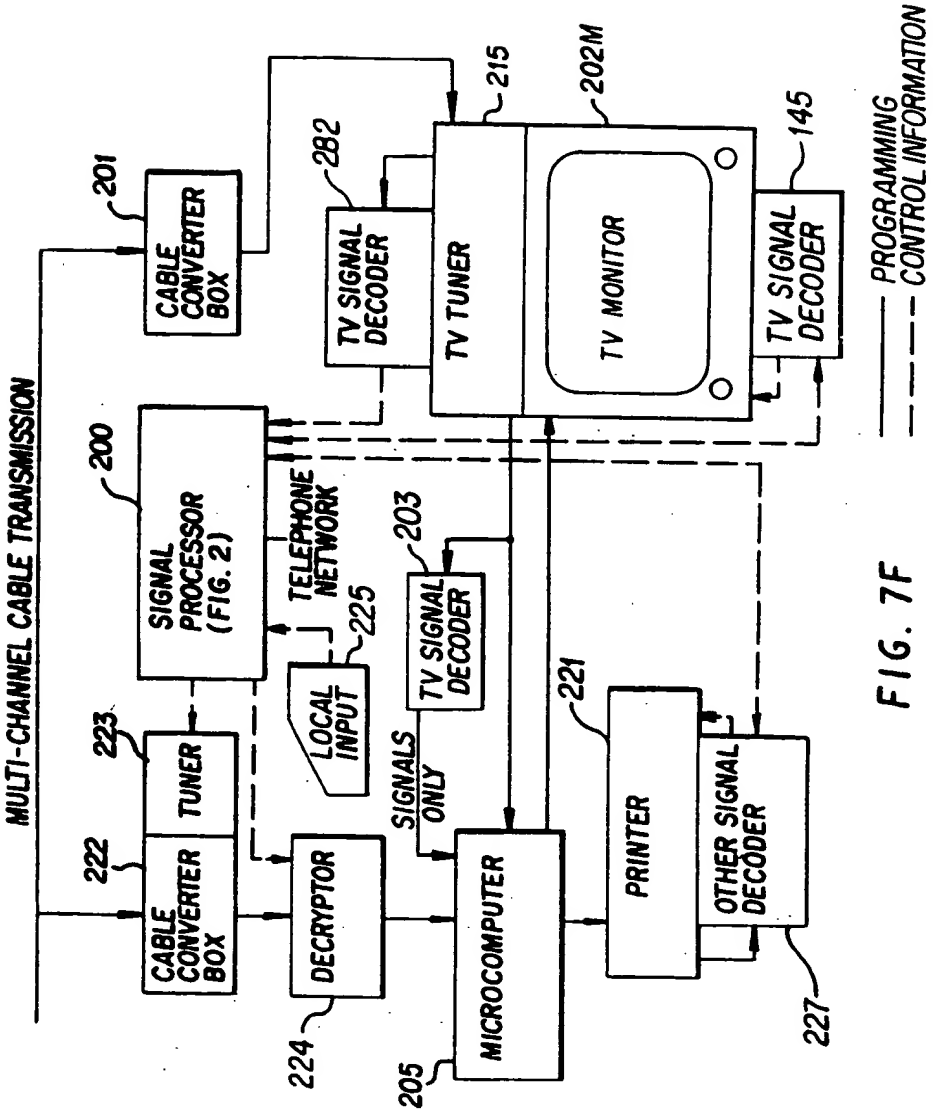


FIG. 7F

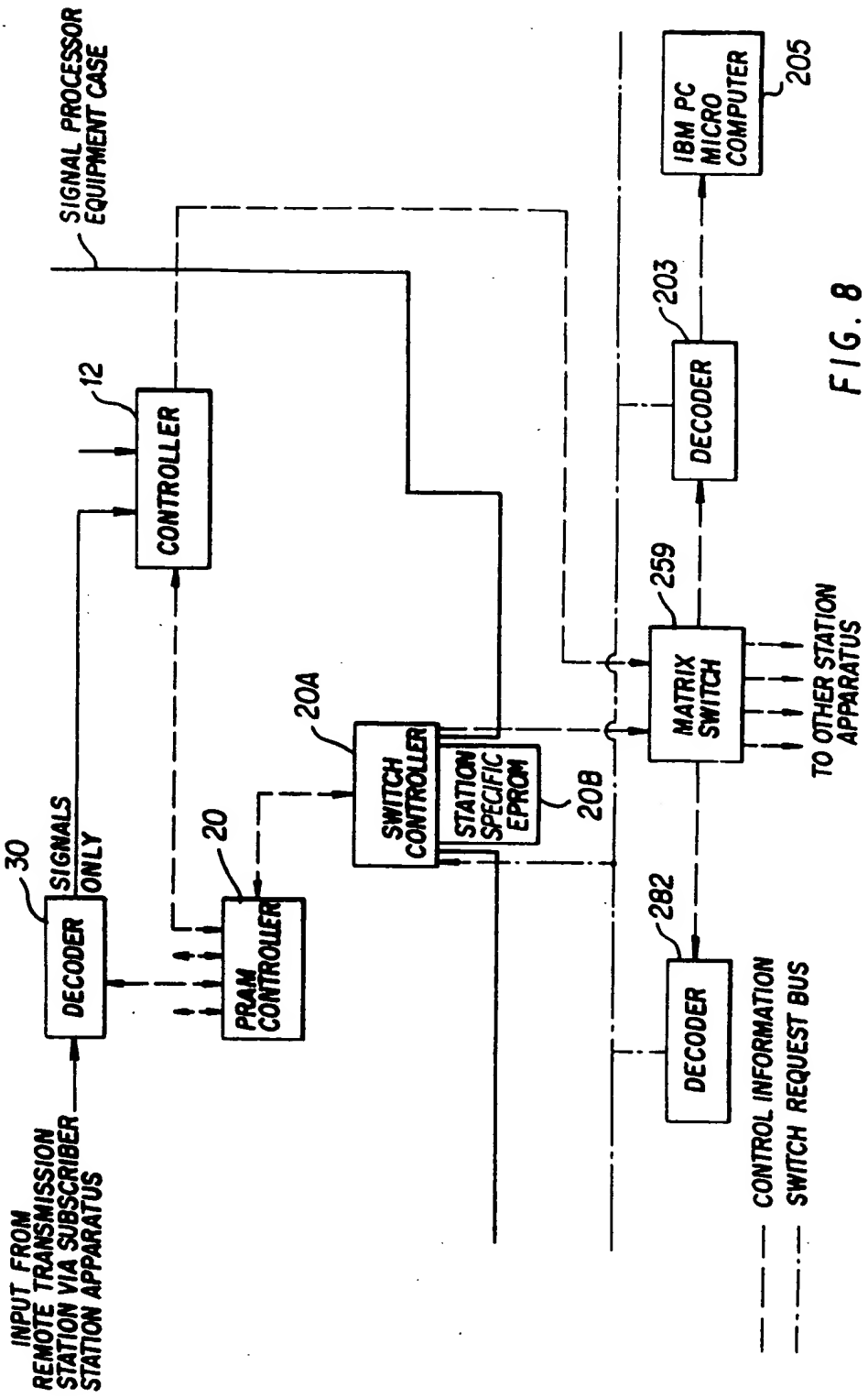

SIGNAL PROCESSOR EQUIPMENT CASE
IBM PC MICRO COMPUTER
205
12
CONTROLLER
203
DECODER
259
MATRIX SWITCH
TO OTHER STATION APPARATUS
20A
SWITCH CONTROLLER
STATION SPECIFIC EPROM
208
30
SIGNALS ONLY
20
PRAM CONTROLLER
282
DECODER
DECODER
INPUT FROM REMOTE TRANSMISSION STATION VIA SUBSCRIBER STATION APPARATUS
CONTROL INFORMATION
SWITCH REQUEST BUS

FIG. 8